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(54) Title: QUANTITATIVE ASSAY OF THE ANGIOGENIC AND ANTIANGIOGENIC ACTIVITY OF A TEST MOLECULE

(57) Abstract: A method of measuring the angiogenic or antiangiogenic activity of a test molecule comprising (i) utilizing a modified CAM assay to assign an FVD value for a test region of interest and comparing this value to an FVD value for a control region of interest, or (ii) utilizing a modified CAM assay to determine the spectrophotometric absorbance value of a test region of interest and comparing this value to the spectrophotometric absorbance value of a control region of interest, wherein a lower value of the test region of interest as compared to the of the control region of interest is indicative of the test molecule being useful as an inhibitor of angiogenesis, and wherein a higher value of the test region of interest as compared to the value of the control region of interest is indicative of the test molecule being useful as a stimulator of angiogenesis.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/10932

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/00; 33/53

US CL : 435/7.1; 800/3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/7.1; 800/3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
east medline biosis caplus

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VAN GOLDE et al. Hyperoxia and local organ blood flow in the developing chick embryo. J. Physiology. 1999. Vol. 515. No. 1. pg 243-248. See entire article.	1-15
X	MULDER et al. Cardiac output distribution in the chick embryo from stage 36 to 45. Cardiovascular Res. June 1997. Vol. 34. No. 3. pg 525-528. See entire article.	1-15
X	KIMEL et al. Real time fluorescence microscopy monitoring of phrphyrin biodistribution. Proc. SPIE-The Internatl Soc. Optical Engineering. 1996. Vol. 2628 (Optical and Imaging Techniques for Biomonitoring), Pg 69-76. See entire article.	1-15
X	RIZZO et al. Ontogeny of microvascular permeability to macromolecules in the chick chorioallantoic membrane during normal angiogenesis. Microvascular Res. 1995. Vol. 49. pg 49-63. See entire article.	1-15

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☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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